

GenCore version 5.1.3
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 30, 2002, 12:28:13 ; Search time 19.1252 Seconds
(without alignments)
1416.898 Million cell updates/sec

Protein: US-10-054-680-2

Perfect score: 4797

Sequence: 1 MAWRLQPLTSAFHFGLVTLWLLYLILFATLEACYIKGF 921

Scoring table: BLOSUM62

Gapext 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Maximum DB seq length: 0

Maximum Match 0%

Listing first 45 summaries

Database: Issued Patents AA

```
1: /seqn2_6/pdata/1/1aa/5A__COMB.pep:*
2: /seqn2_6/pdata/1/1aa/5B__COMB.pep:*
3: /seqn2_6/pdata/1/1aa/6A__COMB.pep:*
4: /seqn2_6/pdata/1/1aa/6B__COMB.pep:*
5: /seqn2_6/pdata/1/1aa/pCTUS__COMB.pep:*
6: /seqn2_6/pdata/1/1aa/backfles1.pep:*
```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Length DB ID

Description

SEQ ID NO: 234

LENGTH: 693

TYPE: PRT

ORGANISM: Arabidopsis thaliana

US-09-564-805-234

Query Match Best Local Similarity 19.6%; Pred. No. 0.0019; Length 693; Matches 132; Conservative 88; Mismatches 206; Indels 249; Gaps 32;

Score 234, Appl

Sequence 84, Appl

Sequence 86, Appl

Sequence 88, Appl

Sequence 90, Appl

Sequence 92, Appl

Sequence 94, Appl

Sequence 96, Appl

Sequence 98, Appl

Sequence 100, Appl

Sequence 102, Appl

Score 128.5; DB 4; Length 693; Sequence 234, Appl

Sequence 84, Appl

Sequence 86, Appl

Sequence 88, Appl

Sequence 90, Appl

Sequence 92, Appl

Sequence 94, Appl

Sequence 96, Appl

Sequence 98, Appl

Sequence 100, Appl

Sequence 102, Appl

Sequence 104, Appl

Sequence 106, Appl

Sequence 108, Appl

Sequence 110, Appl

Sequence 112, Appl

Sequence 114, Appl

Sequence 116, Appl

Sequence 118, Appl

Sequence 120, Appl

Sequence 122, Appl

Score 128.5; DB 4; Length 693; Sequence 234, Appl

Sequence 84, Appl

Sequence 86, Appl

Sequence 88, Appl

Sequence 90, Appl

Sequence 92, Appl

Sequence 94, Appl

Sequence 96, Appl

Sequence 98, Appl

Sequence 100, Appl

Sequence 102, Appl

Sequence 104, Appl

Sequence 106, Appl

Sequence 108, Appl

Sequence 110, Appl

Sequence 112, Appl

Sequence 114, Appl

Sequence 116, Appl

Sequence 118, Appl

Sequence 120, Appl

Sequence 122, Appl

Sequence 6, Appl
Sequence 3811, Appl
Sequence 30, Appl
Sequence 2, Appl
Sequence 2, Appl
Sequence 2, Appl
Sequence 10, Appl
Sequence 10, Appl
Sequence 10, Appl
Sequence 7, Appl
Sequence 7, Appl
Sequence 5, Appl
Sequence 70, Appl
Sequence 8, Appl
Sequence 233, Appl
Sequence 9, Appl
Sequence 9, Appl

RESULT 1
US-09-564-805-234
Sequence 234, Application US/09564805
; patent No. 6333403
GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teig, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility FILE REFERENCE: Gene and a Paralog and Orthologous Genes CURRENT APPLICATION NUMBER: US/09/564,805 CURRENT FILING DATE: 2000-05-05 PRIORITY APPLICATION NUMBER: US 60/107,468 PRIORITY FILING DATE: 1998-11-06 PRIORITY APPLICATION NUMBER: 09/434,382 PRIORITY FILING DATE: 1999-11-05 NUMBER OF SEQ ID NOS: 240 SOFTWARE: PatentIn Ver. 2.0 SEQ ID NO: 234 LENGTH: 693

TYPE: PRT

ORGANISM: Arabidopsis thaliana

US-09-564-805-234

Query Match Best Local Similarity 19.6%; Pred. No. 0.0019; Length 693; Matches 132; Conservative 88; Mismatches 206; Indels 249; Gaps 32;

Score 128.5; DB 4; Length 693; Sequence 234, Appl

Sequence 84, Appl

Sequence 86, Appl

Sequence 88, Appl

Sequence 90, Appl

Sequence 92, Appl

Sequence 94, Appl

Sequence 96, Appl

Sequence 98, Appl

Sequence 100, Appl

Sequence 102, Appl

Sequence 104, Appl

Sequence 106, Appl

Sequence 108, Appl

Sequence 110, Appl

Sequence 112, Appl

Sequence 114, Appl

Sequence 116, Appl

Sequence 118, Appl

Sequence 120, Appl

Sequence 122, Appl

Sequence 124, Appl

Sequence 126, Appl

Sequence 128, Appl

Sequence 130, Appl

Sequence 132, Appl

Sequence 134, Appl

Sequence 136, Appl

Sequence 138, Appl

Sequence 140, Appl

Sequence 142, Appl

Sequence 144, Appl

Sequence 146, Appl

Sequence 148, Appl

Sequence 150, Appl

Sequence 152, Appl

Sequence 154, Appl

Sequence 156, Appl

Sequence 158, Appl

Sequence 160, Appl

Sequence 162, Appl

Sequence 164, Appl

Sequence 166, Appl

Sequence 168, Appl

Sequence 170, Appl

Sequence 172, Appl

Sequence 174, Appl

Sequence 176, Appl

Sequence 178, Appl

Sequence 180, Appl

Sequence 182, Appl

Sequence 184, Appl

Sequence 186, Appl

Sequence 188, Appl

Sequence 190, Appl

Sequence 192, Appl

Sequence 194, Appl

Sequence 196, Appl

Sequence 198, Appl

Sequence 200, Appl

Sequence 202, Appl

Sequence 204, Appl

Sequence 206, Appl

Sequence 208, Appl

Sequence 210, Appl

Sequence 212, Appl

Sequence 214, Appl

Sequence 216, Appl

Sequence 218, Appl

Sequence 220, Appl

Sequence 222, Appl

Sequence 224, Appl

Sequence 226, Appl

Sequence 228, Appl

Sequence 230, Appl

Sequence 232, Appl

Sequence 234, Appl

Sequence 236, Appl

Sequence 238, Appl

Sequence 240, Appl

Sequence 242, Appl

Sequence 244, Appl

Sequence 246, Appl

Sequence 248, Appl

Sequence 250, Appl

Sequence 252, Appl

Sequence 254, Appl

Sequence 256, Appl

Sequence 258, Appl

Sequence 260, Appl

Sequence 262, Appl

Sequence 264, Appl

Sequence 266, Appl

Sequence 268, Appl

Sequence 270, Appl

Sequence 272, Appl

Sequence 274, Appl

Sequence 276, Appl

Sequence 278, Appl

Sequence 280, Appl

Sequence 282, Appl

Sequence 284, Appl

Sequence 286, Appl

Sequence 288, Appl

Sequence 290, Appl

Sequence 292, Appl

Sequence 294, Appl

Sequence 296, Appl

Sequence 298, Appl

Sequence 300, Appl

Sequence 302, Appl

Sequence 304, Appl

Sequence 306, Appl

Sequence 308, Appl

Sequence 310, Appl

Sequence 312, Appl

Sequence 314, Appl

Sequence 316, Appl

Sequence 318, Appl

Sequence 320, Appl

Sequence 322, Appl

Sequence 324, Appl

Sequence 326, Appl

Sequence 328, Appl

Sequence 330, Appl

Sequence 332, Appl

Sequence 334, Appl

Sequence 336, Appl

Sequence 338, Appl

Sequence 340, Appl

Sequence 342, Appl

Sequence 344, Appl

Sequence 346, Appl

Sequence 348, Appl

Sequence 350, Appl

Sequence 352, Appl

Sequence 354, Appl

Sequence 356, Appl

Sequence 358, Appl

Sequence 360, Appl

Sequence 362, Appl

Sequence 364, Appl

Sequence 366, Appl

Sequence 368, Appl

Sequence 370, Appl

Sequence 372, Appl

Sequence 374, Appl

Sequence 376, Appl

Sequence 378, Appl

Sequence 380, Appl

Sequence 382, Appl

Sequence 384, Appl

Sequence 386, Appl

Sequence 388, Appl

Sequence 390, Appl

Sequence 392, Appl

Sequence 394, Appl

Sequence 396, Appl

Sequence 398, Appl

Sequence 400, Appl

Sequence 402, Appl

Sequence 404, Appl

Sequence 406, Appl

Sequence 408, Appl

Sequence 410, Appl

Sequence 412, Appl

Sequence 414, Appl

Sequence 416, Appl

Sequence 418, Appl

Sequence 420, Appl

Sequence 422, Appl

Sequence 424, Appl

Sequence 426, Appl

Sequence 428, Appl

Sequence 430, Appl

REGISTRATION NUMBER: 29,699
 REFERENCE/DOCKET NUMBER: A1355D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-454-3808
 TELEFAX: 610-454-3808
 INFORMATION FOR SEQ ID NO: 84:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4654 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-476-515A-84

Query Match 2.7%; Score 128.5; DB 4; Length 4654;
 Best Local Similarity 18.4%; Pred. No. 0.055; Gaps 43;
 Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

QY 429 ---MVDYKTEDGSANAGADY-----EFTECTVVKPGETOK---- 462
 Db 383 EVTLMLNLTAAPLNQMVHYI---SFSAHADYQTSTFLKELMPNPLVLHGERENMRK 438
 QY 463 ---EFSYG---TIDDIFEEDEHFF--VRLSAV--RLEEEPEEGMPAINSLPFR 510
 Db 439 OKLLTEFPDGNTKIMPKNESEVMEYENSEKLAKTIGRLAETKPDVG----- 485
 QY 511 AVLAPCVAATVTLDDDHAGI---FIFEC---DTIHVSISGIVMEVKLRLSGARGTV 552
 Db 486 ---DTVSGILWKGFTQIMAPPDELAVFSQ-----LSATWOTRI 522
 RESULT 2

US-08-476-515A-84
 Sequence 84, Application US/08476515A
 ; Patent No. 6239270
 ; GENERAL INFORMATION:
 ; APPLICANT: Amerstrom, Goran
 APPLICANT: Juhlin, Claes
 APPLICANT: Rask, Lars
 APPLICANT: Crumley, Gregg R.
 APPLICANT: Morse, Clarence C.
 APPLICANT: Murray, Edward M.
 APPLICANT: Hjalmar, Goran
 TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
 NUMBER OF INVENTION: Thereof and DNA Encoding Same
 NUMBER OF SEQUENCES: 84
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Martin Savitzky
 STREET: Rhone-Poulenc Rorer Inc., 500 Arcola Rd.;
 CITY: Collegeville
 STATE: PA
 COUNTRY: USA
 ZIP: 19426-0107
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Compaq PC
 OPERATING SYSTEM: Windows 95
 SOFTWARE: Word 7.0 (Patentin)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/476,515A
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/344,836
 FILING DATE: 23-NOV-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: WO PCT/SE94/00483
 FILING DATE: 24-MAY-1994
 APPLICATION NUMBER: SE 9301764-8
 FILING DATE: 24-MAY-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Savitzky, Martin

QY 563 IVPPRTVEGTAKGGGEDFDTYGELEFKNDKEDWTVKIVDEEYERQENFTALGEPK 622
 Db 523 TIPFGVAFGVIK--HRLEKIFEVSEVFSDDEBESGLPALKVHERTVQKSEKHSIISL--Q 576
 QY 623 WMERGISD-VTDR-----KLMEEERA-KRIAEMKPV----- 653
 Db 577 WSSDPISDAVSDIAVALINISREVPKVMEEDAVKSBEENGKVERKVYIALIVLVSFGD 636
 QY 654 --GEHPKPEVLTIESVELTKTVDKLKLTNLALWVGTHSWRQFMEAIVSAGDED 711
 Db 637 VKGBENGKLVIRVGDN-----VAQDKS-----SGEVESE 666
 712 ESG-EERLPSCFDYV 725
 Db 667 HSGLKERVVRVAFERI 681

QY 155 CGHOFITAGLIGPSTIVGSAFNMELIIGCVVYVLPDGERTRKHL----- 200
 Db 1415 CDGYMLESDGRTCKV-TASESLLLVASSQNKLADSVISQVNIIYSLWENSYIVAWDF 1473
 QY 201 -----RVFITA---ANSIFAVIWLMLAVASPQVWVSEGTLTFFPVCULLAWA 251
 Db 1474 DSTSGRFSIDATOGTKTFQAFNQTDRRY--VPDSII-----LTETIAIDWV 1520
 QY 252 DKRILFYKMHKKYRTDK---HGRILIEFTEGDHPKGITEMDGKMMNSHLD---GNLVP 303
 Db 1521 -RNLYWTDALETEVSKDGSHTVLLSINKLTPRGLDPR-MNEHLLFWSDMGHHR 1578
 QY 304 LEGKEVDESERREM-----RIL-----K 321
 Db 1579 IERASMDGSMRTVLYQDKTFWPCLTIDYPNRLLYFMDSYLDMDFCDYNGHHRQYIAS 1638
 QY 322 DLKQKHPEKDQLOVEMANYALSHQOKSRAFYRIOAQPRMTGAGNIKKHAAEQAKKS 381
 Db 1639 DLTRHP-----YATLFERS-VYWDRACTRVMRAN--KWHGCNOSVMM 1681
 QY 382 SMS-----EVHDEPEDFISKVFDPDCSYQC-----LENQ- 411
 Db 1682 NIQWPLGTVAVHPSKQNPNSVNPCAFSSRHCLLSSQGPFFYSCVCPGWSLSPDLNCL 1741
 QY 412 --GAVLTVYRKGGDMSKMYVDYKTED----GSANGADBFESTIV---VLRKGE 459
 Db 1742 RDDOPFLITYRQHIFG1SLNPEVKNSNDAMPIAGION GLDVEFDDREQYIYWENPGE 1800
 QY 460 TOKFSVGVGIDDDIFEEDEHFEVRLSNTRIESEOEPEKNPAPFNSLL--PRAVLSPC 517
 Db 1801 IHR-----VKTGDNRTVFASTISMVGPMNL----- 1827
 QY 518 VATVILDDDHAGIFTFECDTIHVSISGIVMEVKLRTSG---ARGTVVVFERTVEGAK 574
 Db 1828 -----LDMNIRNL-----STNPNRTOSTEVTLHGDIRYRKTIAN-----DGTAL 1868
 QY 575 GGGEDE-----EDTYGELEERKNDTETVKITRKVIDE-----EV 608
 Db 1869 GVGPPIGITYDPAKGKLVWSDQGTDGVPKAKIASANMGTTSVKTFLGONLHELCVTLI 1928
 QY 609 ERDENFETALGEPKWMEGKISDVKTMEEBAAKRIAEMKPV-VLGEHPKLEVITES 667
 Db 1929 EEQQLYWAUTGRGY-IERONVGDTRMIL-----PHQLSRHWGTAWHDSFLYYDEQ 1979
 QY 668 YEFKTVOKLKKINLALWVGTHSWRQF--MEAIVSAGDEDDESGEERLPSCDFYV 725
 Db 1980 YEVIERVKATGANKIVL-----RDWPNLRGLOVYHRRNAESSNG-----CSNNM 2026
 QY 726 MHFLJFVWWV--LFACV-----PPTEYCGWACAVSILIGMIAIG---DIAS 771
 Db 2027 NACQOCICLPPGGLFSCACATGFKLNPDRSCSPYNF-----IWMSLUSAIKFSLSD 2082
 QY 772 HFCTIGL---KDSVTAVVVFAGTSUPDTASKAA--ALQDVYAD-ASTGNVT---- 819
 Db 2083 HSEMPVAGQGRNLAHVWDVSSGFIYWCDSSSVNASDNRTRIKPDGSSLMNTVHG 2142

RESULT 3
 US-08-652-877-84
 Sequence 84, Application US/08652877
 GENERAL INFORMATION:
 APPLICANT: Akterstrom, Goran
 APPLICANT: Rask, Lars
 APPLICANT: Crumley, Gregg R.
 APPLICANT: Morse, Clarence C.
 APPLICANT: Murray, Edward M.
 TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
 TITLE OF INVENTION: Thereof and DNA Encoding Same
 NUMBER OF SEQUENCES: 106
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Rhone-Poulenc Rorer Inc.
 STREET: 500 Arcola Rd., 3C43
 CITY: Collegeville
 STATE: PA
 COUNTRY: USA
 ZIP: 19426-0107
 COMPUTER READABLE FORM:
 COMPUTER TYPE: Floppy disk
 COMPUTER: Macintosh
 OPERATING SYSTEM: System 7.5.1
 SOFTWARE: Word 6.0 (patentin)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/652,877
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/15203
 FILING DATE: 22-NOV-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/344,836
 FILING DATE: 23-NOV-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/487,314
 FILING DATE: 07-JUNE-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Savitzky, Martin
 REGISTRATION NUMBER: 29,699
 REFERENCE/DOCKET NUMBER: A1355E-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-454-3816
 TELEFAX: 610-454-3608
 INFORMATION FOR SEQ ID NO: 84:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4655
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-652-877-84
 Query Match
 Best Local Similarity 2.7%; Score 128.5; DB 4; Length 4655;
 Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;
 Oy 156 CGHGFIAGLDLSPTTSAFAFNFIIGICIVVYLPDGERKTKHL----- 200
 Db 1415 CGTGYMVEEDGRICKV-TASESLLVAQSNKTIADSVTSQVNIVYIENGSYIVAVDP 1473
 Oy 201 ----RVEFTA---AWSIFAYIWLYMLAVFSPGVQVWEGLLTFPPVCULLAWA 251
 Db 1474 DSISGRFWSDATQKTMWSAFONGTDRVV--YFDSSII-----LTETIAIDWV 1520
 Qy 252 DKRLLFVKYMHVKYRTDK---HRGIIITEGDDHPKGTEMDGMNSHSFLD---GNLVP 303
 Db 2143 GENGVr---GIAVDWAGNLYP 2161
 Qy 1521 -RNLYWHDYALETTIEVSKIDGSHRTVILSKNLTNPRLGLDPR-MNHILFWNSDWGHHPR 1578
 Db 304 LEGKEVDESRREMI-----RIL----- 321
 Db 1579 IERASDGSMTIVIQDKIFNPCCGLTDYPNRLYFMDSYLDYMFCDYNGHRRQVTS 1638
 Qy 322 DLKQKPEKDELOLVEMANYALSHOOKSRAFYRTOATRMMGAGNTLKKHAEQAKRS 381
 Db 1639 DLIRRH-----VATLFEDS-VYVTRDRATRVRMRAN--KWHGGNOSTVVM 1681
 Qy 382 SMS-----EVHTDEDFISKVFPCPSYC----- 411
 Db 1682 NIOWPLGIVAVHPSKQPNVSNCFSRCRSHCLLSSQGPHEVSCVCESGWSLSPPDNLNC 1741
 Qy 412 --GAVLITVVRKGDMSTKMYDVKTED----GSANAGADEYFTEGTV---VLPKG 459
 Db 1742 RDDQPLITVQHIIQFCISLNPEVKNSDAMVPIAGION-GLDVEFDDAEQYIYWENPGE 1800
 Qy 460 TOKEFSEVGILDDIFEEDEDEHFVFLRSNVRIEPEQGMPPAIFNSPL--PRAVLASPC 517
 Db 1801 IHR----- 1827
 Db 1869 GVGFPIGITVDPARGLWPSDQGTDSGPCVAKIASANMDTSVKTFLIGNLECVTLI 1928
 Qy 575 GGGEDEF----EDTYGELEFKNDETVKTRVKTVDDE----- 608
 Db 1869 GVGFPIGITVDPARGLWPSDQGTDSGPCVAKIASANMDTSVKTFLIGNLECVTLI 1928
 Qy 609 ERQENIFIAAGEPKWNERGSDVTDRKLTMEEAKRILAEKGPK--VIGEHPRLVIEES 667
 Db 1929 EEOQLHWAVTGRGV-IERQNYDGTDRML-----VHQOLSHPGWLGAVHDSSFLYYDEQ 1979
 Qy 668 YEFKTVDKLKKTNALVNGTHSWRDQF--MEATYSAAGDEDDESGEERLPSCDCYV 725
 Db 1980 YEVIRERVDKANGANKTVL-----RDNPVNURGLQYHHRNAEESNG-----CNNM 2026
 Qy 726 MHFLTVFWKV---LFACV-----PPTEYCHGWCFAVSIITIGMITALIG--DIAS 771
 Db 2027 NACQICLPPVFGFLSCACATGFKLAPDNRSCSPYNSF---IVSMLSIAKGSFLESLD 2082
 Qy 772 HFGCTIGL---KDSYIYAVVYFAFGTSVYVDPDFTASKAA---ALQDVYD-ASIGNV----- 819
 Db 2083 HSETWMPVAGQGRNLHVDDVSSGTYWCDSSVASSDNAIRRIPDGSSLMLNIVTHGI 2142
 Qy 820 GSNAVWFLGLAWSVAIIW 841
 Db 2143 GENGVr---GIAVDWAGNLYP 2161

RESULT 4
 US-08-652-877-86
 ; Sequence 86, Application US/08652877
 ; Patent No. 6187548
 GENERAL INFORMATION:
 APPLICANT: Akterstrom, Goran
 APPLICANT: Juhlin, Claes
 APPLICANT: Rask, Lars
 APPLICANT: Crumley, Gregg R.
 APPLICANT: Morse, Clarence C.
 APPLICANT: Murray, Edward M.
 TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
 TITLE OF INVENTION: Thereof and DNA Encoding Same
 NUMBER OF SEQUENCES: 106
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Rhone-Poulenc Rorer Inc.
 STREET: 500 Arcola Rd., 3C43
 CITY: Collegeville
 STATE: PA
 COUNTRY: USA

ZIP: 19426-0107
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Macintosh
 OPERATING SYSTEM: System 7.5.1
 SOFTWARE: Word 6.0 (Patent)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/652,877
 FILING DATE:
 CLASSIFICATION: 435
 APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/15203
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/344,836
 FILING DATE: 23-NOV-1994
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/487,314
 FILING DATE: 07-JUNE-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Savitzky, Martin
 REGISTRATION NUMBER: 29,699
 REFERENCE/DOCKET NUMBER: A1355E-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-454-8816
 TELEFAX: 610-454-3808
 INFORMATION FOR SEQ ID NO: 86:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4655 amino acids
 TOPOLogy: linear
 MOLECULE TYPE: protein
 US-08-652-877-86

Query Match 2.7%; Score 128.5; DB 4; Length 4655;
 Best Local Similarity 18.4%; Pred. No. 0.055;
 Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

Qy 156 CGHGFIAIGDGLPSTIVGSAFNFMELIIGCIVYVIPDGETRKHL----- 200
 Db 1415 CDGYMLESGRCKV-TASESLILLVASQNKTIAHSVTSQVNINISLVEENGSYIVADF 1473

Qy 201 ----RVEITA---ANSIFAYWLYMLAVSPGQVWEGEGLTLEFPVCULLAWA 251
 Db 1474 DSSGRIFWSDATOGTKWASFONGTDRRV--VFDSSII-----LTETIAIDAWG 1520

Qy 252 DKRLFYKMKHKYRTDK---HRGILIETEGHPKGEDEMGMNSHLD---GNLYP 303
 Db 1521 -RNLWTDYALETEVKSKDGHTRVLISKLNTPRGLALDPR-MNEHILFWSDGHHPR 1578

Qy 304 LEGKEVDESRREMI-----RII-----K 321
 Db 1579 IERASMDGSMRTVIVQDKFWPGCLTIDPYRNLYFMSYLDIMDFCDYNGHRRQVIAS 1638

Qy 322 DLKOKHPERKDOLQEVEMANYAASHQOKSRAFRRIQATRNMTCAGNLIKHHAEQAKAS 381
 Db 1639 DLITRHP-----YAVLFEDS-VYNTDRATRVRMAN--KWHGNGNQSVMM 1681

Qy 382 SMS-----EVHDEPERFISKFFDPSSYC-----LEN- 411
 Db 1682 NIQWPLGLTIVAVHRSKOPNSNPQCAFCSRSHLCLLSOCPHFSVCVCPGWSLSPDLNCL 1741

Qy 412 --GAVLITTVRKGGDMSKTMVVOYTED----GSANAGADVEFTEGTV---VLIKGE 459
 Db 1742 RDOOPFLITVROHQHIFGJSLNPVKSNDAMWPAGION-GLDYEFDDAQYIWVENGE 1800

Qy 460 TQKPSFGVGIIDDFEEDEBFHFFVRLSNVRIEPOPEECPMPAFNSLUL-PRAVLSPC 517
 Db 1801 IHR-----VKTGSTNRTPFASTISMGPSNLA--- 1827

Qy 518 VATVILDDDHAGIFTFECOTIIVYSEISIGVMEKVLRISG--ARGTVIPPFIVEGTAK 574
 Db 1828 -----LDMISRNY-----STNPRTQSIEVLTLLHDIRYKTLIAN---DGTAL 1868

Qy 575 GGGEDEP---EDTYGELEKNDETVKTRVKVDEE-----EX 608
 Db 1869 GVGPIGIGTVDPARGLVYQWSDQGMDGVPAKIASANMOTSVKTLFTGNLEHLCVTLI 1928
 Qy 609 ERQENFFILGEPKWMERGIDSVDRKLMEEEAKRATEMGP-VLGEBHPKLEVITES 667
 Db 1929 EEQKLHYAWTGRGV-IERGNVGDTRML-----VHQLSHPGIAVHDSDLFLYTDQ 1979
 Qy 668 YEFKTTVDLKKUNLARVYGTWSWRDQE-MEATVSAAGDDEDESGEERLPSCEDYV 725
 Db 1980 YEVERTVDAWGANKIVL-----RDNPVNLRGLQVHRRNAESSNG----CSINN 2026
 Qy 726 MHFLTVFWKV--LFACV-----PPTEYCHOWCAFVAVSILIGMLTAIG--DLAS 771
 Db 2027 NACQOICLVLPGGLESCACATGFKLNPNSRCSPYNF---IVVMSMISAIRGFSLESD 2082
 Qy 772 HFGCTIGL---KDSVTAVTFVARGTSVYDPDFASKAA--ALODYVAD-ASIGNVT--- 819
 Db 2083 HSETMVPAVQGRNALHVVDVSSGFIWCDFFSSVVASDNAIRIKEPDGSSLMNIVTHGI 2142
 Qy 820 GSNAVNEVIGIGLAWSAVNIW 841
 Db 2143 GENCVR--GIAVONWVAGNLYF 2161

RESULT 5
 US-08-652-877-88
 ; Sequence 88, Application US/08652877
 ; Patent No. 6187448
 ; GENERAL INFORMATION:
 ; APPLICANT: Amerstrom, Goran
 ; APPLICANT: Juulin, Claes
 ; APPLICANT: Rask, Lars
 ; APPLICANT: Crumley, Gregg R.
 ; APPLICANT: Morse, Clarence C.
 ; APPLICANT: Murray, Edward M.
 ; APPLICANT: Hallm, Goran
 ; TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments
 ; NUMBER OF SEQUENCES: 106
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Rhone-Poulenc Rorer Inc.
 ; STREET: 500 Arcola Rd., 3C43
 ; CITY: Collegeville
 ; STATE: PA
 ; COUNTRY: USA
 ZIP: 19426-0107
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Macintosh
 OPERATING SYSTEM: System 7.5.1
 SOFTWARE: Word 6.0 (Patent)
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/652,877
 FILING DATE:
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US95/15203
 FILING DATE: 22-NOV-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/344,836
 FILING DATE: 23-NOV-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/487,314
 FILING DATE: 07-JUNE-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Savitzky, Martin
 REGISTRATION NUMBER: 29,699
 REFERENCE/DOCKET NUMBER: A1355E-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 610-454-8816
 TELEFAX: 610-454-3808

INFORMATION FOR SEQ ID NO: 88:

SEQUENCE CHARACTERISTICS:

LENGTH: 4655 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-652-877-88

Query Match^b 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055; Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

TOPology: linear

MOLECULE TYPE: protein

US-08-652-877-88

RESULT 6

US-08-652-877-90

sequence 90 Application US/08652877

Patent No. 6187548

GENERAL INFORMATION:

APPLICANT: Akersstrom, Goran

APPLICANT: Juhlin, Claes

APPLICANT: Rask, Lars

APPLICANT: Crumley, Gregg R.

APPLICANT: Morse, Clarence C.

APPLICANT: Murray, Edward M.

APPLICANT: Hjalm, Goran

TITLE OF INVENTION: Human Calcium Sensor Protein, Fragments

TITLE OF INVENTION: Thereof and DNA Encoding Same

NUMBER OF SEQUENCES: 106

CORRESPONDENCE ADDRESS:

ADDRESSEE: Rhone-Poulenc Rorer Inc.

STREET: 500 Accola Rd., 3C43

CITY: Collegeville

STATE: PA

COUNTRY: USA

ZIP: 19426-0107

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Macintosh

OPERATING SYSTEM: System 7.5.1

SOFTWARE: Word 6.0 (Patentin)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/652,877

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT-US95/15203

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/344,836

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/487,314

REGISTRATION NUMBER: 29,699

REFERENCE/DOCKET NUMBER: A1355-E-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-454-3816

TELEFAX: 610-454-3808

INFORMATION FOR SEQ ID NO: 90:

SEQUENCE CHARACTERISTICS:

LENGTH: 4655 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-652-877-90

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055; Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

TOPology: linear

MOLECULE TYPE: protein

US-08-652-877-90

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055; Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

TOPology: linear

MOLECULE TYPE: protein

US-08-652-877-90

Query Match 2.7%; Score 128.5; DB 4; Length 4655;

Best Local Similarity 18.4%; Pred. No. 0.055; Matches 159; Conservative 119; Mismatches 293; Indels 291; Gaps 43;

TOPology: linear

MOLECULE TYPE: protein

US-08-652-877-90

Db 1579 IERASMDGSMRTVIVQDKFWPPGGLTIDYPNRLIYFMSYLDYMFDCYNGHRRQVIAS 1638
 Qy 322 DLKOKHPERKDQLQVEMANYAALSHQKSRAYRIQATRMTGAGNLLKKHAEOAKRS 381
 Db 1639 DLTRHPI-----YATLFEDS-VYNTDRATRVRMRAN--KWHGNQSVVM 1681
 Qy 382 SMS-----EVHTDPEPDTSKVFEDPSYQC-----LEN- 411
 Qy :::::1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:1||:
 Db 1682 NIQMLPLGTIVAVHPSKQPSVNCPCSRCSHLCLLSSQGPHFYSCVCPGWSLSPDLLNCL 1741
 Qy 412 --GAVLTVRKGSMSKTMVYDVE--GSANGADBFTEGV--VLKGE 459
 Db 1742 RDQDPFLITVROHITFGISLNPEVKSNDAWMPAGION-GLDVEFDDEAQYIWVENGE 1800
 Qy 460 TKEFESVGIDDDIFEEDEHFFVRLSNVRIEEQPEEGNPPATFNSPL--PRAVLASPC 517
 Db 1801 IHR-----VKTDGTRNRTFFASISNVGPMLA-- 1827
 Qy 518 VATVTLDDDHAGSFTFECDTIVHSESIGVMEVKVLRMSG--ARGTVVVFETVEGPAK 574
 Db 1828 -----LDMISRNL-----SINPRTOQSIEVLTUHQDIRYKTLAN--DTGAL 1868
 Qy 575 GGGDF----EDTYGELERKNDTVEKTRVKTIDEE-----EV 608
 Db 1869 GVGFPIGITYDPAKGKLYNSDQGTDGSGVAKIASANMDCTSVKLTFTGNELEHLCVTLDI 1928
 Qy 609 ERQENFIALGEPKWNERGSDVDRKLTMEEFARKTAEMGIP-VLGBHPKLEVIES 667
 Db 1929 EEQKLWVATGRSV--IERNGVSDORMIL-----VHQLSPWGIAVHDSTLYTDEQ 1979
 Qy 668 YEFKTVDKLIKNTNLALVGTHSWRDF-MEATIVSAGDDEDEDEGEERUPSFYV 725
 Db 1980 YEVLERVDVKATGANKIVL-----RDNPVNPLRGLOVHRRNAESSNG---CSNN 2026
 Qy 726 MHELTWVWV--LFACV-----PPTEYCHGWAFCAVISLITGMATAIG--DLAS 771
 Db 2027 NACQQICLPLVPGGLFSCACATGFKLNPDRSCBPNYSF---TVSMLSIAIRFSLESD 2082
 Qy 772 HFGCTIGL---KDSVTAVVFAAGTSVDPDTFSKAA--ALQDVYAD-ASIGNVT--- 819
 Db 2083 HSEEMWVPGQGQRNALHVYDVSQSGFIWCDFSSVSDNAIRKIPDGSSLUNIVHGI 2142
 Qy 820 GSNAVNVFLGIGLAMSVAAIYW 841
 Db 2143 GENGVYR--GIAVDNVAGNLYF 2161

RESULT 7
 US-08-973-462-8
 Sequence 8, Application US/08973462B
 Patent No. 6191270
 GENERAL INFORMATION:
 APPLICANT: DRULHE, PIERRE
 APPLICANT: DAUBERSIES, PIERRE
 TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
 FILE REFERENCE: 0660-012-00 PCT
 CURRENT APPLICATION NUMBER: US/08/973,462B
 CURRENT FILING DATE: 1998-02-06
 EARLIER APPLICATION NUMBER: PCV/FR96/00094
 EARLIER FILING DATE: 1996-06-12
 EARLIER APPLICATION NUMBER: FR 95/07007
 EARLIER FILING DATE: 1995-06-13
 NUMBER OF SEQ ID NOS: 29
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 8
 LENGTH: 1786
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence:Polypeptide
 US-08-973-462-8

Query Match 2.4%; Score 115.5; DB 4; Length 1786;

Best Local Similarity 20.5%; Pred. No. 0.2;
 Matches 94; Conservative 79; Mismatches 168; Index 117; Gaps 22;

Qy 268 DKHKGILIE--TECDHPKIEGMKMMNSHFLAGNLPLEGKVEDSERREMIRIKLKQ 325
 Db 1197 EKDVSILVNEVQDMDMSVE--KVBLKNMREBELMK-DAVEINDITSKLLETEOEINE 1252
 Qy 326 KHPE--KDDQVEMANYAALSHQKSRAYRIQATRMTGAGNLLKKHAEOAKASSM 383
 Db 1253 VEARLIKOMKELEK - ALSEDSK-----EIDAKDTEKLVIEEHDTITL 1300
 Qy 384 SEV--HTDPEPDTSKVFEDPCSYCOCLENCGAVILTVYRGGDMSKTMVYDVKTEDSAN 441
 Db 1301 DEVYELKDVDEEKIEK-----SDLKMLEDILKEYKELESETLEDKE---- 1347
 Qy 442 AGAYEFTGTVVWKPGTQEKFVSGIDDDIFEEDEDEFFVRLSNVRIEEQPEEGMPA 501
 Db 1348 -----LKTID-----IIEKKEKEKDIP-----ERKEEEADE---- 1376
 Db 1412 IISGDAHIGGLEDDLEEDVDDLGCSILDMLKGD-----MEGDMK-ESUEDVTKLG 1463
 Qy 620 EPKNUMERGSDVYDTRKLTNEEERAKRIMKGPKVULGEHKL-EVITBSEYEFKUTKL 678
 Db 1464 E--RVEISKDVASSALGDEEONKTRK-----AOPRKLEEVLLK--EVKEEPKKKI 1512
 Qy 679 KTKNLALVGTHSWRQDFMEAITSVAGDDEDEDEGEE 716
 Db 1513 TKKVRFDJKDKEPKDETEV---EMKDEDIEDVE 1546

RESULT 8
 US-07-833-913-2
 Sequence 2, Application US/07853913
 Patent No. 5338839
 GENERAL INFORMATION:
 APPLICANT: McKay, Ronald D.G.
 APPLICANT: Lendahl, Urban
 TITLE OF INVENTION: Nestin Expression As An Indicator of
 TITLE OF INVENTION: Neuroepithelial Tumors
 NUMBER OF SEQUENCES: 4
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
 STREET: Two Militia Drive
 CITY: Lexington
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02173
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/853,913
 FILING DATE: 19920319
 CLASSIFICATION: 435
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/660,412
 FILING DATE: 22-FEB-1991
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/603,803
 FILING DATE: 25-OCT-1990
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/201,762
 FILING DATE: 02-JUN-1988
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 07/180,548

ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-4641AAA
TELECOMMUNICATION INFORMATION:

TELEFAX: 617-861-5540
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1805 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-653-913-2

LENGTH: 339
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3608

Query Match 2.4%; Score 113.5; DB 4; Length 339;
Best Local Similarity 20.4%; Pred. No. 0.017; Matches 69; Conservative 53; Mismatches 149; Indels 67; Gaps 12;

Db 195 RKKHLRFFITAWSFFAYWYMLAVFSPGVVQWEGLTLFPFNCVLAWADKR 254

Db 3 RKKRSDMF-SIGFIAVIVLWALLFSEPVPGWISALAA--GYHVGIGTJGMR 58

Qy 255 LFYKYMVKYRDKHGTTPEGDHKFGIEMDGKMMNSHL-----DGNL--- 301

Db 59 L-----RRVSPRKVIAPLIKAKHAGLNLTNOLESHYLAGGNDRVVDANIAQR 108

Qy 302 ---VPLE-GKEVDESRREMIRTKDKQHEDKLQLQVLEANYVLSHOOKSRAFYRI 356

Db 109 ADIDLPFERGAATDLAGDVLEKQ-MSVNPKVIEPTAGVAMNGIEVKARTVRA 166

Qy 357 QATRMTCAG-NILKHAEQAKKASSMSEVHTDEPEDFISKVFFDPSCYCQLENCAVL 415

Db 167 NTARLYGAGEETIANGWEGIVSTIGSSERH-----EVLENPDNIS 209

Qy 416 LTIVVKG--GDMSKTMVWYKDNGSANAGADY---FTETGTIVVKPGTOKERSVGI 468

Db 210 KTVLSKGDSLGSFAFEIISLSDIADVDISKNIGADLQEQALADKNAQAAEERRAMAWA- 268

Qy 469 IODDIFEDHFVRSNWRVIEEQPEGMPAIENS 506

Db 269 -----SEQEMKARVOEMRAKVVEABSEVPLAMEAL 299

RESULT 10

Sequence 3350, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Staam et al

TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

FILE REFERENCE: GTC-007

CURRENT APPLICATION NUMBER: US/09/134, 001C

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064, 964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055, 779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 3350

LENGTH: 660

TYPE: PRT

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-3350

Query Match 2.3%; Score 111; DB 4; Length 660;

Best Local Similarity 19.1%; Pred. No. 0.096; Matches 83; Conservative 67; Mismatches 131; Indels 154; Gaps 20;

Db 30 STAVGDIVARYKRMQGVRYLGTDEHOKIQEAKAGKNEYLEDEMISIKULWK 89

Qy 587 LEFKDNDEVTK---RVKVDEEFYER-QENFFIALGEPKWNERGISOVTDRKLTMEEEA 643

Db 90 LEISNDPFRTEERHQVKVVERFLKQGDIVLG---YEGWISVPDFTYTESQLV 145

Qy 644 KRIAEMKPKVIGEHP---KLVVIESYEFTT-VDKLIK----- 679

Db 146 DFWYENGKIVGKSPDSGHEVELKEESEYFNINKYTDRLLFYDENPDFIOPPSRNEM 205

Qy 680 -----KTNLALWVGHWSRDQ-----FMEAII--VSAGDEDDES---- 713

Query Match 2.4%; Score 115.5; DB 1; Length 1805;

Best Local Similarity 18.8%; Pred. No. 0.2; Matches 99; Conservative 89; Mismatches 215; Indels 123; Gaps 18;

Db 268 DHHRGIIETECDHPKG-I-EMGKMMNHFLDGNLYPLEGKDEVDESREMTRILKDK 326

Db 734 DDEAGRSLSQKENQEPLEYEARQDMLB-----RLKESESLSKSFPEENORIGKELERE 787

Qy 327 HREKDLQOLVENAANYVLSHOCKSRAFYRIOATRMMGAGNLIKKAQAEQKASSMSEV 386

Db 788 N-QKSLRYLEENQETFPVPLSQRNP---LNSLVEEEEQRIVKPLKVSQDSLGLAAE 843

Qy 387 HFD----EPEDIKFVFFDCPSYCQLENCGAVLTVRKGGDMSKTMIVDVKTEDSAN 441

Db 844 NYQPLRYLEDDCINKSLEDTHKSIG-----LEBRNGD 879

Qy 442 AGADYEFTEGVVLUKGPOETQKTFSGVITDD----TFFEDHEFFVR-----LSN 486

Db 880 SIIQPQSETQVSLRPFEEEDORIVNLEKESQFSRSSEEQVMERSLEGHENHSLS 939

Qy 487 VRIEEROPPEEGNPPATINSLPRPRAVIAASPCVATVTLDDPHAGIF-----TFF 535

Db 940 VPKEDQDNVESOLEKESODS---GKSLEDESOETFGPLEKENAESLRSLAGDOEQKLE 995

Qy 536 CDTIHVSESIGMEVKVLRTSARGTVIVPFRTVEGTAKGGEDEFDTYGELEFKNDETV 595

Db 996 QPTQQTLRAVGQEAMSPPERVDPPELPKPGNDQETARSLKGKNSBLVAKKEITY 1055

Qy 596 KTRVKLVD----EEVERQENFFALGEPKWMER-----GISDVTD 633

Db 1056 KSLTELEIEPLETAAEDLERRS---IDTOQEPWSTAREVVERPPEDEPPGSLGSVDNR 1113

Qy 634 RHLTMEEEAKIAEMKPKVIGEHPKLEVITBESYERKTTVYKLIK-----KTNL 683

Db 1114 ETLTSLKESQDLSLCK-----WNVETRVEDSQQCLQVEEGLOQREHOESLREVQEL 1167

Qy 684 ALWVGHWSRDQ-----MEA-ITSAAGDEDDE-----SGEE 716

Db 1168 PSSGNGQDWRVEDVVEGKAVQGEPPLATIGVGDPKAELHLRGOGCEE 1213

RESULT 9

US-09-134-001C-3608

; Sequence 3608, Application US/09134001C

; Patient No. 6380370

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Staam et al

; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

; FILE REFERENCE: GTC-007

; CURRENT APPLICATION NUMBER: US/09/134, 001C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/064, 964

; PRIOR FILING DATE: 1997-11-08

; PRIORITY FILING DATE: 1997-08-14

; NUMBER OF SEQ ID NOS: 5674

; SEQ ID NO 3608

RESULT 11
 US-09-134-001C-3159
 Sequence 3159, Application US/09134001C
 ; Patent No. 63880370

; GENERAL INFORMATION:
 ; APPLICANT: Lynn Doucette-Stamm et al
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 ; FILE REFERENCE: GTC-007

; CURRENT APPLICATION NUMBER: US/09/134,001C
 ; CURRENT FILING DATE: 1998-08-13
 ; PRIOR APPLICATION NUMBER: US 60/064, 964
 ; PRIOR FILING DATE: 1997-11-08
 ; PRIOR APPLICATION NUMBER: US 60/055, 779
 ; PRIOR FILING DATE: 1997-08-14
 ; NUMBER OF SEQ ID NOS: 5674
 ; SEQ ID NO: 3159
 ; LENGTH: 10182
 ; TYPE: PRT
 ; ORGANISM: Staphylococcus epidermidis
 ; US-09-134-001C-3159

Query Match 2, 3%; Score 111; DB 4; Length 10182;
 Best Local Similarity 21.2%; Pred. No. 12; Matches 97; Conservative 70; Mismatches 168; Indels 122; Gaps 22;

Matches 97; Conservative 70; Mismatches 168; Indels 122; Gaps 22;

Qy 310 DESREMIRILDKDQ---KHPKD-----LPOLVEMANYA---LSHOOK 319
 Db 9479 DATSNDLVNAQAKDEGQSALEHIAHDELPAKLADANQMDORVEDINBLTSQNPNLNSNEEK 9538
 Qy 350 SRAFYRIQATRMTGAGN---IUKKHAEQAKKASSMEVHDEPEDFISKVFEDPCSY 405
 Db 9539 NKLTSOI--NKLVLNGIKNEIOQALNQOJENAA--TTKDEVIENTKKLTAKAE---AK 9590

Qy 406 OCLENQGAVILTVRKGGMKTMVVDYKPEDSANAGADEYEMEGTVVKPGEMOKERS 465
 Db 9591 QMKELSQQRKRDAINNNTL-----TSPQRKHALADIKTE---KDALQHIENS 9436

Qy 466 VGYDDDFIREDEFEVRLSINVRETEEOPPEEGMPAIFN--SFLPRAVYLASCPCVA--- 519
 Db 9637 NSTI-DDINNNKEHAFTLAHTIWDTOQ---PLVFEVPELJSQNQLAVTSEVVHRDE 9690

Qy 520 -----TIVTLDLHDAGIFPFECDTIHVSSEIGMVEKVLRSTGARGTVVTPFRVE 510
 Db 9691 TISLESIKKMTLUDELKVNISLP--NTDKVADHL-TAKVYVTLADGSVTVWVVKVE 9748

Qy 571 GTAKGGGEDBEDTYGELEFRNDERVTI----RVKTD-----EEYEYO 611
 Db 9749 -----TIVTLDLHDAGIFPFECDTIHVSSEIGMVEKVLRSTGARGTVVTPFRVE 510
 Db 9691 TISLESIKKMTLUDELKVNISLP--NTDKVADHL-TAKVYVTLADGSVTVWVVKVE 9748

Qy 612 ENFFALGEPKWMRGSISVTDRLTMEEE--EAKR--IAEMSKPULGEH 657
 Db 9795 KKOAI---DKVNHSKSXIKDIETVKTDFEEIDOPDPKRFELNLANKKDDITDVNQIQNGF 9851

RESULT 12
 US-09-708-426-8
 Sequence 8, Application US/09708426
 ; Patent No. 6444229

; GENERAL INFORMATION:
 ; APPLICANT: HAN, YE-SUN
 ; APPLICANT: YU, YEON-GYU
 ; APPLICANT: LIM, JAE-HWAN
 ; TITLE OF INVENTION: GENE CODING FOR DNA LIGASE OF HYPERTHERMOPHILIC BACTERIA AQUI
 ; FILE REFERENCE: 1995-9US0
 ; CURRENT APPLICATION NUMBER: US/09/0708, 426
 ; CURRENT FILING DATE: 2000-11-09
 ; PRIOR APPLICATION NUMBER: KR99-49591
 ; PRIOR FILING DATE: 1999-11-10
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: Patentin version 3.0
 ; SEQ ID NO: 8
 ; LENGTH: 720
 ; TYPE: PRT
 ; ORGANISM: Aquifex aeolicus

Query Match 2, 3%; Score 110.5; DB 4; Length 720;
 Best Local Similarity 19.3%; Pred. No. 0.13; Matches 127; Conservative 84; Mismatches 207; Indels 241; Gaps 34;

Qy 303 PLEGKEVDRSRMRIRILDKDQ---KHPKDLDOLVENANVYALSHQOKSRAFYRQAT 359
 Db 4 PERSEKELQKTRKTRELRKDKDVKVSFEERKLAEDLREVRY---HDWK---YYEAR 55
 Qy 360 -----RMMTGAGNIKKHAEQAKKASSMEVHDEPEDFISKVFEDPCSYQCLEN 410
 Db 56 PVIPDYPYDRFLRALKETKRY--PELITPDSPTRVASBISGERPTVHYTP--MLSIDN 112

Qy 411 CGA--VLLTVRKGGDMSTMVYDVKED-----GSANAGADY--EF 448
 Db 113 AVSDEDELREFDRYRQIIGLEVYAEVKLGAGIALVYENDLFVSGATRGDGEYEDI 172
 Qy 449 TEGTVVKLGETQEMFSVLSIDDIFEEDEHHFVRLSNR-----TEEOQEPE 496
 Db 173 TNNLTKTIKIPKLAES-----RGFKLAERGEVWIRKDFQKLINKERME 219

Qy 497 GMPPAIFNLSPLPLPRAVLAASP---CVATVYVILDDDHAGITFFEDCTIIVS----- 542
 Db 220 GLPP-----FANPRNAAGSIIKQDPKEVAKRNLEAVYHLSYVEPPETEPP 267

Qy 543 --ESTGVMEYKVLRSTGARGTVVTPFRVEGTAKGGGFEDFTYGELEFKNDTEVKTRV 600
 Db 268 HYSEL---KMLHTLG-----FKTU-----FKDTKVKGIDE 295

Qy 601 KIVDEEYERQENFIALGPKNMERRGSDVTDRLTMEEEAKRAEMGKPVLG---EH 657
 Db 295 VIECKEWKMRDSY-----PYEIDGMVVKVNRRLW-----KLYGYSHH 336

Qy 658 PKLEVIESYEFKTVDR---LIKTNALVNGTHS 691
 Db 9852 KEIERIKGITSNEKTOFDQKLTALQKEELEKEVHAN 9888

Qy 695 FM-----EATVSAAGDE-----DEDESGEER-----LFSFCDYVMHFLTFW 732
 Db 393 FIREDIRGDWWVERADGIVPVWVEVLFKEKTRGEFPVKYCSCGSEVLK----- 448
 Db 337 PRWAI---AYKEKFPRRAYTQLVDFVQVGRTGTTIPVKGKLEPVELGGTVVSVSLFNEED 392

Qy 733 WKVLFACVPTEY---CHWCFAVSIITIGMLTATIGLASHFGCTI-GLKDSVTAVW 788
 Db 449 -----PEEAIRCINISCPAQSVL-----RKKWASDAMDITRGLGDAITKLLF 492

QY 362 MTGAGN----ILKKHAAEQAKASSMSSEVHTDEPDBF SKVFEDPCSTCCLENGAGA- 413
 ::
 Db 331 LSSACSAQELVYLKLNLNEFARFDKLAQKYHQRLI-----KILGD---CYCICL-CGLPD 378
 QY 414 -----VLTIVVRKGGMDSKTMVVDYKNEGSANAGADYEFTEGTVLKGPMOKERSVG 468
 ::
 Db 379 YREDHAVCSTLMLAMFEALISVREKKTG-----VDMRVGHGTGVLLGG 424
 QY 469 IDDDIFEEDEHFVRLSNVRIEQQPEEGMPAINSLPLPRAVLASPVCWATVILD--- 525
 ::
 Db 425 LGOKRWOYD---VNSHDVTVANKMZRAGGJPGRVHIS-----QSTMDCLURGE 468
 QY 526 DDHAGIFTFECOTIHVESESIGN-----MEVKLRTSGART-----V 562
 ::
 Db 469 DVPEGPGGSRDYL---DEKGTCIETYLIIASKEPKVKAQNLNGSLPNAGAPASKPSSA 525
 QY 563 IVPFRTVEGATAKGGEDPFDYTYGELEFKDNEYVTKVDEEYERQENFFIALGEPK 622
 ::
 Db 526 LIETKEEPINGSANASGSTSEAH-----EEQRAQDM--PSPNPNR 562
 QY 623 WMERGTSIDVTDRLTMEEEEAKRIAEMGKPVGHEPKLEVIEESYEFKTVWDLIKTTN 682
 ::
 Db 563 RRLR-LQDLADRUVASED-----EHENLQNLNEALLERESA---QVVKRN 605
 QY 683 LALVGTHSWRDQFMETAITVSAAQDEDDEDESGEERJPSCDFYVMHLLTVFNKVLFCVPP 742
 ::
 Db 606 TFLLT----MRMOPMEMETRYSVEKEQSGAFSCC--WVLFTCTAMVEILLDPWM 656
 QY 743 TEYCHGWACFAVSLITGMLT 763
 ::
 Db 657 TNV---VTFVGEVLLILT 673

US-08-050-684-2

CURRENT APPLICATION DATA:
APPLICATION: US/08/582,719
FILING DATE: 04-JAN-1996
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,694
FILING DATE: 16-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lowney Dr., Karen A
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31937-00

TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2871
TELEX: 710-474-4059

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 652 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-582-719-2

Tue Dec 3 11:07:44 2002

us-10-054-680-2.rai

Page 11

Job time : 42.1252 secs

THIS PAGE BLANK (USPTO)